

SEQUENCE LISTING

<210> 1
 <211> 27
 <212> DNA
 5 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Erk5-specific
 primer
 <400> 1
 10 cagccattcg atgtgggccc acgcta 26

<210> 2
 <211> 25
 <212> DNA
 15 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Erk5-specific
 primer
 <400> 2
 20 tataacattc tcatggcgga atcgc 25

<210> 3
 <211> 802
 <212> DNA
 25 <213> Mus musculus
 <220>
 <221> misc_feature
 <222> (1)..(38)
 <223> partial sequence of exon 2 from Erk5 gene
 30 <400> 3
 cggnacctac tgtgccctat ggaggaattc agatctgtgt aaggaggagg gccaggagga 60
 ggagacacag tcgggatcag cttagaagcc caggttcagt aatactgaag ttctggcagg 120
 gcgggtgaac ccagagtgat gcgggctgtg agtcaggac attggtaggg acagttctta 180
 tctctcaaga gggcaagggc tggggatgtc gatcactggt aggctgatga gcattcttga 240
 35 ggttttaggt tgactctcct gtacaaaagg ggaagaagaat caagaggatt tacctcttta 300
 tggatcatgcc acctttgggt atatcataag ttcaaggcta gtctagaccc tgttccaaaa 360
 gacaaaacan aaaaaccnaaa cagcaatnta nganaaggga gagagggcnc agacngnccg 420
 ggacagatcc aaattgtaag acaacggaca caatacattg tagtgatcaca cagcagtgtc 480
 ctcatggcag acaactaatt attcacagaa tacctcctta aaaatagagt cttcaacata 540

gctttttcag tagctgttgg caaactgtag agtttgctct aaaattaacc atactggcca 600
atcttggttag atttgaatat ttctataaaa aaaatTTTTT ttgacagaaa ttangtccat 660
ggagaaagtg atttgtcaga aagcttgtaa aaaagtttgg ggctnggaaa aaacccgatt 720
cggtgattaa gatcactcga tcttttaaaa gggacttggc tttaantncc ataatggnc 780
5 ttcaccgggg ggcntaaact tt 802

<210> 4

<211> 794

<212> DNA

10 <213> Mus musculus

<220>

<221> misc_feature

<222> (1)..(794)

<223> Partial sequence of 3' Erk5-specific primer

15 <220>

<221> misc_feature

<222> (547)..(794)

<223> Partial sequence of exon 3 from the Erk 5 gene

<400> 4

20 gattnaagat cccctcgatn tttnaaaagg acttggnttc aagggaanag ngtnntnnccg 60
ggggnnnaact tgaattggga cnccggtgtt gggatcanac tccctctttn ngcctctgta 120
naccagggc acccaagtag tacacatacg ttcaggaaan catacacata cgtttaagaa 180
aactttataa aagttgtggc cagncggtgg tggcgcatgc ctttaatccc agcactgggg 240
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25 aagcaagttc caggccagat aaggctacac agacatcttg tcttgaaaaa aagaaagaaa 360
gaatgaaagt tgtagaaac ctaaaaccg gtgnnnaant ccncncttcc catgntgtta 420
gtcctttggg gtttctactgt aaggccataa cctcaggaat tgggagtgcc aggggacgga 480
gtgccagggg gggcttctcc ctgtgatgtg aggaggctag ctcacccgtt tcttccatt 540
ttcagctatg tggtagtga cctcatggag agcgacctac accagatcat tctcttca 600
30 cagccgctca ccttgaaca tgtgagatac ttctgtacc agctgcttcg gggcctcaa 660
tacatgcact ctgctcaggt catccaccgt gatcttaaac cctctaacct tctgggcaat 720
gagaactgtg agctcaagat cggtgacttt ggaatggccc gtggcctctg tacttcccc 780
tgccgagcac caga 794

35 <210> 5

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<222> (1)..(632)

<223> Partial sequence of Erk5 probe

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cacaggctgc ananaagntg gaacgnattg ttgncgaatg cctccngtc gtgcatgaaa 180
gtcttcattc tcagccacaa tggcctcctt aatgcgctcc ctggtaaggg cttcacgggt 240
caaaagcaaa gtcaaaagggt ggggcgcaat caggctcatc atcagggtca tggtagcttag 300
10 ccagaagggg tgcgaaggca gcagcagtna gattcgggcn ctgggttcaa ntgcacccat 360
gcgctccagc agggagaggg cctggcggtc agcacctggg tatactgtct cccaaggcac 420
aggttgccct ggtggcaggc tctggatata ggctcgacc ctttcagccc ccacagcctg 480
aatcacagct ggtgacggag ttcccaacac catcatgatc agctgtaact ggtgcacgta 540
gtttttgcct gggaagagct ggcgcgagc cagcatctca ccaaagatgc agcccacaga 600
15 ccagaggctc attgcctgcg gtatactcgt gc 632

<210> 6

<211> 617

<212> DNA

20 <213> Mus musculus

<220>

<221> misc_feature

<222> (456)..(617)

<223> partial sequence of *NheI-EcoRI* fragment in targeting construct

25 <221> misc_feature

<222> (456)..(617)

<223> partial sequence of exon2 from the Erk 5 gene

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aaaaaagttt tgttctaaga ccanngaatn ggcagaatga agtgngaan gattagggag 180
antctggaat gacctnanta tggtagtag gaagggaaga aggatcagtt aatncagtca 240
caancnnntg ctaactaacg ngcctcctnt ttatgtaagc nattagcanc ngtttcnnga 300
ggcagttgga aattaaaatn ttgatatatg ttacacacag ggcntgcac cacagtaggg 360
35 acttnatgnn ntntgggntc cagaagagca gtgctgaagg gacctgcagc taacttgaag 420
gtactctctg gtatatgcc ttttcctgct cccagggcca gcaggtaggc atcaagaaga 480
tacctaagtc ttttgatgtg gtgaccaatg ccaaacggac cctcaggag ctgaagatcc 540
tcaaacactt caaacacgac aatatcatc ccatcaagga catcctgaag cctactgtgc 600
cctatggaga attcttc 617